

ABSTRACT OF DISCLOSURE

A charging station (1) for a rechargeable battery (5) that can be electrically and physically connected to the rechargeable battery (5). The charging station (1) has charger electronics (2) in a charger housing (3) and an electrical and physical contact interface (4) for the battery (5). An air blower (6) producing an air current (L) through two air vents (7a, 7b) is arranged in the charger housing (3). The air vent (7a) of the physical contact interface (4) is spatially associated with the battery (5) and the charger electronics (2) is heat-transfer arranged in the air current (L). In the cooling process, in a first stage, an air volume (V) at cooling temperature CT is moved past heat-transferringly into/onto the battery and, in a second stage, the air volume (V) at an intermediate temperature $IT > CT$ permeates the charger housing (2) containing the charging electronics (2.).